



# **California Air Resources Board Advisory ABOVEGROUND GASOLINE STORAGE/DISPENSING TANKS**

**Number 56**

**October 31, 1990**

The purpose of this advisory is to inform local air pollution control districts and other interested persons of recent Executive Orders which certify integral, aboveground gasoline storage/dispensing tanks for Phase I and Phase II operations in accordance with Section 41954 of Article 5, Chapter 3, Part 4, Division 26, California Health and Safety Code.

"Certification and Test Procedures for Gasoline Vapor Recovery Systems" have been adopted as the ARB Stationary Source Test Methods - Volume 2. These procedures apply to specific systems and "are not intended to be used to certify individual system components". The attached Executive Orders G-70-116A, G-70-128, G-70-129, G-70-130, G-70-131, G-70-132 and G-70-133 certify specific, integral tank/dispensing units with varying capacities based on an evaluation of the system performance and a determination that the aboveground tank Phase II system

is equivalent to previously certified underground tank systems. These systems are certified as shown in the Executive Orders' Exhibit 1. Systems which are substantially identical to the certified systems in design are also certified by the Executive Orders. Accordingly, systems which are configured differently than the certified systems (i. e. with remote dispensers, underground piping, etc.), and other aboveground tank/Phase II systems such as bulk plants with card lock dispensers must be certified on an individual basis.

If you have any questions regarding the certified systems or the certification procedures, please contact Gary Zimmerman, Manager of the Source Test Section at (916) 322-2886.

**James J. Morgester, Chief  
Compliance Division  
Air Resources Board  
P. O. Box 2815  
Sacramento, CA 95812**

State of California  
AIR RESOURCES BOARD

Executive Order G-70-116-A

Certification of ConVault Incorporated  
Aboveground Tank Filling/Dispensing  
Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Stage I vapor recovery systems") and for the control of gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, I find it necessary to revise Executive Order G-70-116 to extend the current certification to additional tank systems and to clarify the interchangeability of Phase I and Phase II equipment;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Sections I through VII; and

WHEREAS, I find that the ConVault Incorporated aboveground gasoline tank systems, when used with ARB Certified Phase I and Phase II vapor recovery components, conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that Executive Order G-70-116 issued on October 27, 1987 for aboveground storage/dispensing systems be modified by this Executive Order G-70-116-A.

IT IS FURTHER ORDERED that this certification applies to the ConVault Incorporated aboveground gasoline tanks of 2,000 gallons or less capacity including dual tank systems up to a total capacity of 2,000 gallons. The system certified hereby is shown in Exhibit 1 attached. Air Resources Board certified Phase I components from Exhibits 1 thru 3 of Executive Order G-70-97-A and certified Phase II components from Executive Order G-70 series are to be used.

IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with an OPW 633 BA coupling/adaptor along with an OPW 633 BD reducing coupler (or an equivalent arrangement that allows for no leakage of gasoline) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill adaptor during transfer of gasoline from the delivery truck to the storage tank. An OPW 633 A or 633 F adaptor coupled with 633 B or 633 D adaptors or equivalent may be used for interchangeability of the nozzle stem and 633 BD reducing coupler.

IT IS FURTHER ORDERED that the general exterior of the storage tanks be painted white.

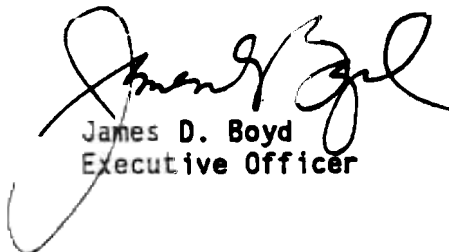
IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district and local fire officials with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of articles 144, 145, and 146 thereof.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

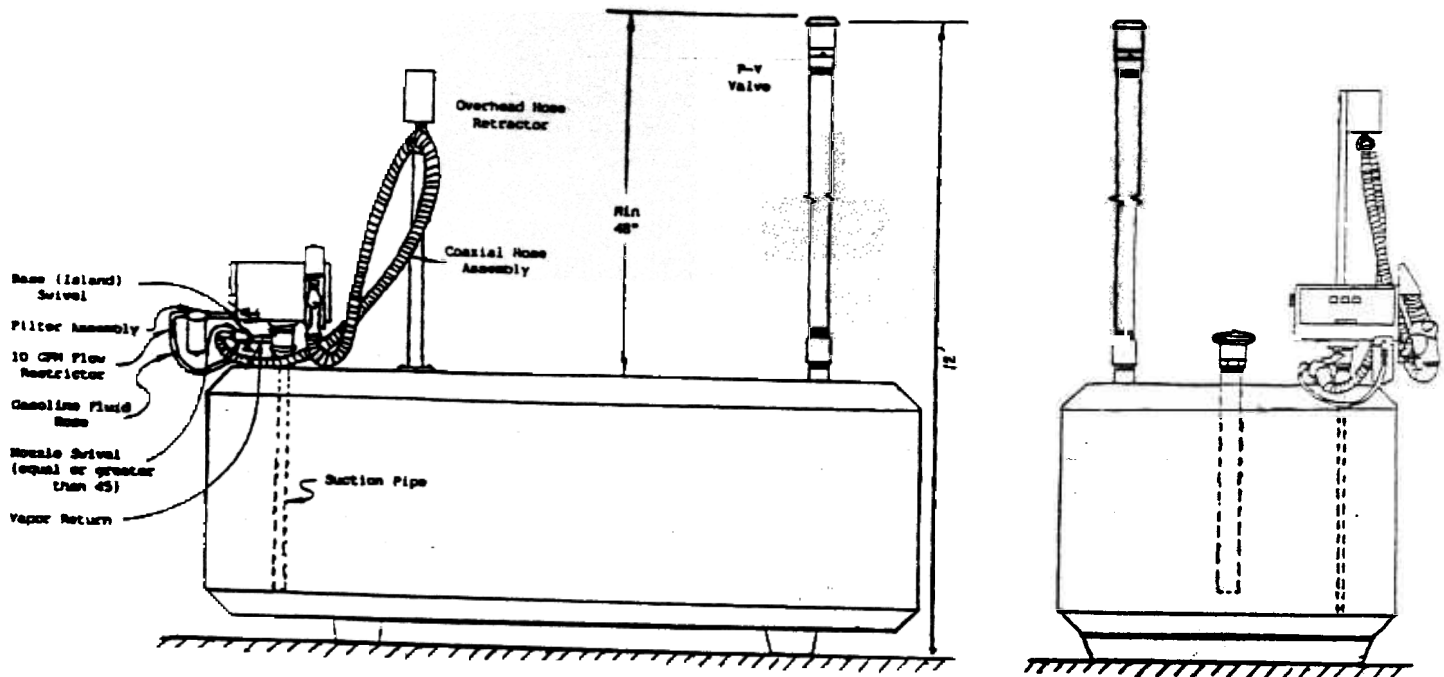
IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

Executed this 1 day of October 1990, at Sacramento, California.

  
James D. Boyd  
Executive Officer

## Exhibit 1

### Executive Order G-70-116-A



#### Notes:

See Executive Order G-70-97-A (Exhibits 1,2 & 3) for listing of ARB certified Phase I two-point and coaxial vapor recovery equipment and pressure/vacuum valves for storage tanks.

See Executive Order G-70 series for ARB certified Phase II vapor recovery equipment.

Inner holding tank must have a minimum of 6 inches of exterior concrete insulation.

State of California  
AIR RESOURCES BOARD

Executive Order G-70-128

Certification of Bryant Fuel Systems  
Aboveground Tank Filling/Dispensing  
Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Stage I vapor recovery systems") and for the control of gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, Bryant Fuel Systems has applied for certification of an aboveground gasoline tank for vacuum assisted Phase I and Phase II operation;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Sections I through VII; and

WHEREAS, I find that the Bryant Fuel Systems aboveground gasoline tank system, when used with ARB certified Phase I and Phase II vapor recovery components and the certified Hirt vacuum assisted thermal oxidizer vapor processing system conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that this certification applies to the Bryant Fuel Systems aboveground gasoline tanks of 12,000 gallons or less capacity. The system certified hereby is shown in Exhibit 1 attached. Air Resources Board certified Phase I components from Exhibits 1 thru 3 of Executive Order G-70-97-A are to be used for Phase I operations. Certified Phase II components from Executive Order G-70 series are to be used when the system is configured for Phase II operations.

IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with an OPW 1611 A adaptor along with an OPW 1711 D coupler (or an equivalent arrangement that allows for no leakage of gasoline) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill during transfer of gasoline from the delivery truck to the storage tank. An OPW 633 A or 633 F adaptor coupled with 633 B or 633 D adaptors or equivalent may be used for interchangeability of the nozzle stem and 1711 D coupler.

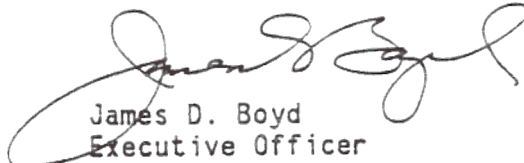
IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district and local fire officials with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of article 144, 145, and 146 thereof.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

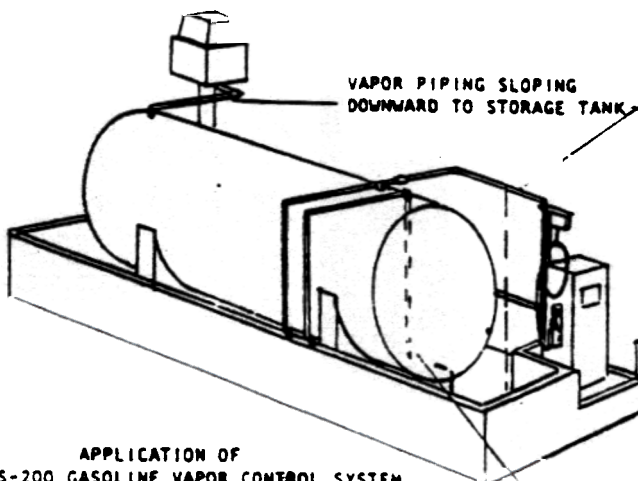
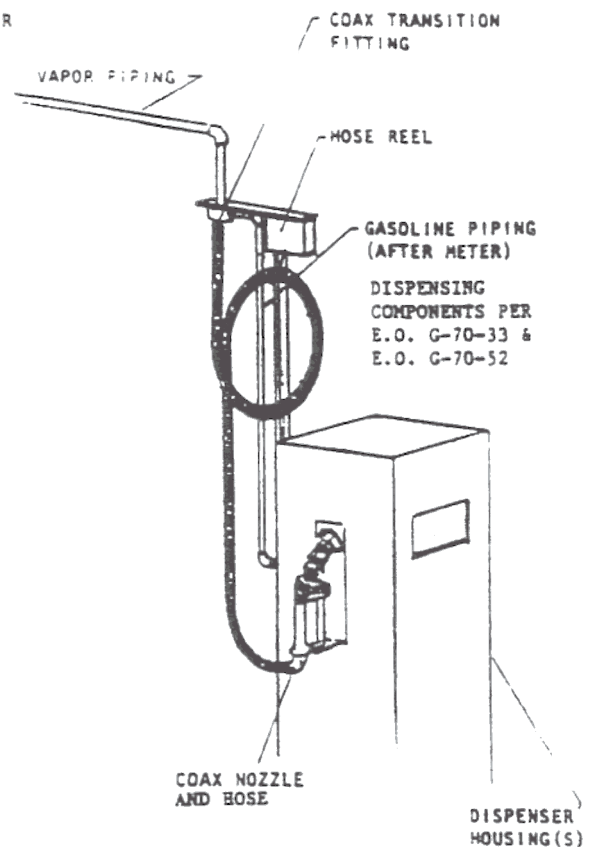
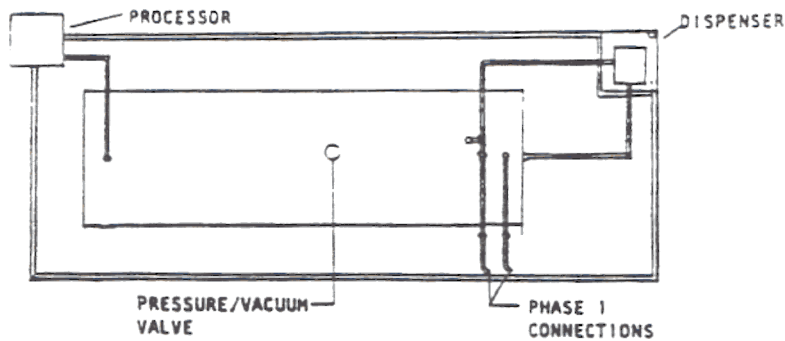
IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

Executed this 27<sup>th</sup> day of August 1990, at Sacramento, California.

  
James D. Boyd  
Executive Officer

## Exhibit 1

### Executive Order G-70-128



APPLICATION OF  
HIRT VCS-200 GASOLINE VAPOR CONTROL SYSTEM  
(E.O. G-70-33)  
TO ABOVE GROUND STORAGE TANKS IN GENERAL  
AND THE BRYANT FUEL SYSTEMS TANKS IN PARTICULAR

DROP TUBE

#### Notes:

See Executive Order G-70-97-A (Exhibits 1,2 & 3) for listing of ARB certified Phase I two-point and coaxial vapor recovery equipment and pressure/vacuum valves for storage tanks.

See Executive Order G-70 series for ARB certified Phase II vapor recovery equipment.

State of California  
AIR RESOURCES BOARD

Executive Order G-70-129

Certification of BRE Products, Inc.  
Enviro-Vault Aboveground Tank  
Filling/Dispensing Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Stage I vapor recovery systems") and for the control of gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, BRE Products, Inc. has applied for certification of the Enviro-Vault aboveground gasoline tank for balance Phase I and Phase II operation;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Sections I through VII; and

WHEREAS, I find that the BRE Products, Inc. Enviro-Vault aboveground gasoline tank system, when used with ARB Certified Phase I and Phase II vapor recovery components, conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that this certification applies to the BRE Products, Inc. Enviro-Vault aboveground gasoline tanks of 2,000 gallons or less capacity, including dual tank systems up to 4,000 gallons total capacity. The system certified hereby is shown in Exhibit 1 attached. Air Resources Board certified Phase I components from Exhibits 1 thru 3 of Executive Order G-70-97-A and certified Phase II components from Executive Order G-70 series are to be used.



IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with an OPW 633 BA coupling/adaptor along with an OPW 633 BD reducing coupler (or an equivalent arrangement that allows for no leakage of gasoline) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill adaptor during transfer of gasoline from the delivery truck to the storage tank. An OPW 633 A or 633 F adaptor coupled with 633 B or 633 D adaptors or equivalent may be used for interchangeability of the nozzle stem and 633 BD reducing coupler.

IT IS FURTHER ORDERED that the general exterior of the storage tanks be painted white.


IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district and local fire officials with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of articles 144, 145, and 146 thereof.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

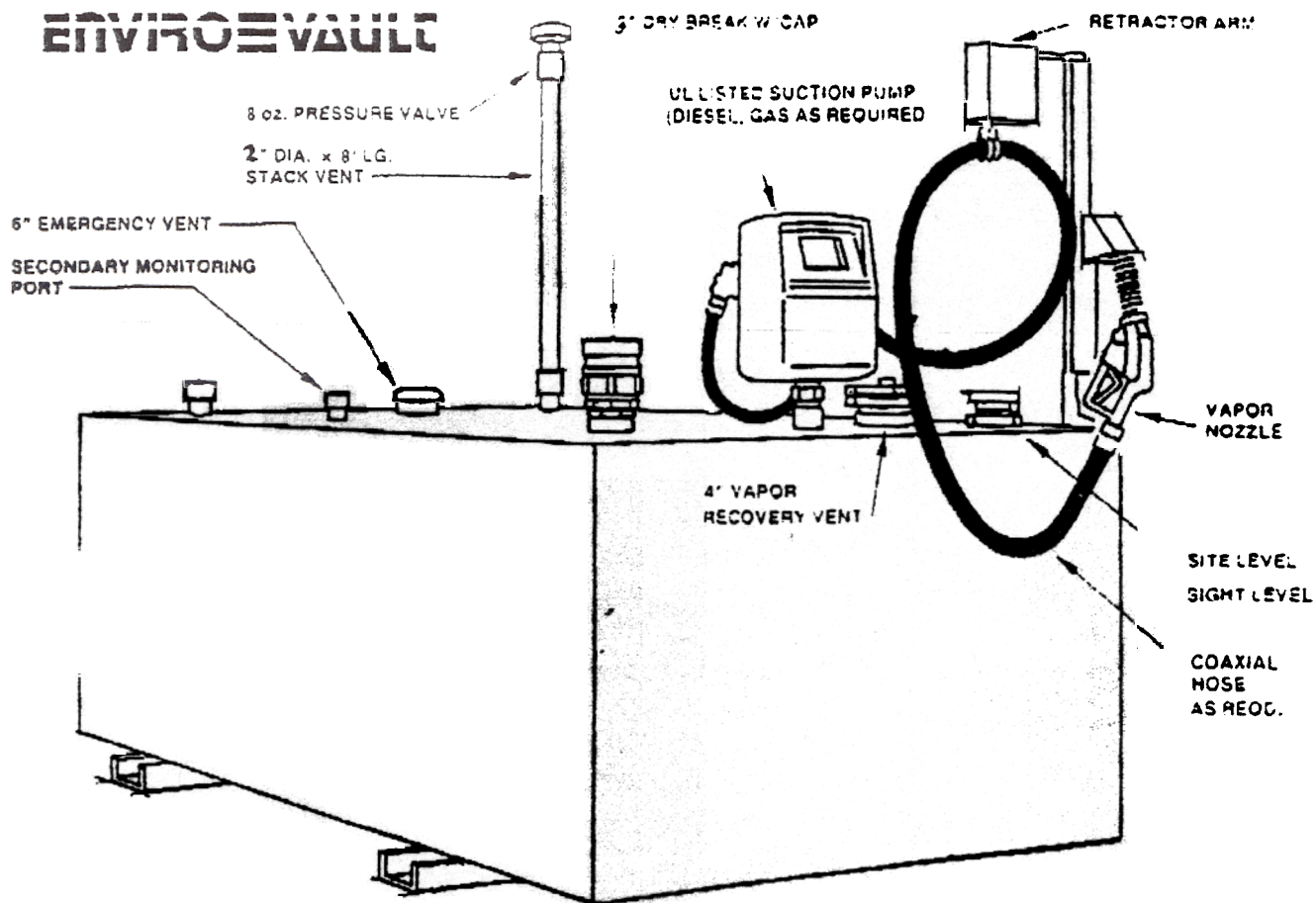
IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

Executed this 27<sup>th</sup> day of August 1990, at Sacramento, California.

  
James D. Boyd  
Executive Officer

## Exhibit 1

Executive Order G-70-129



### Notes:

See Executive Order G-70-97-A (Exhibits 1,2 & 3) for listing of ARB certified Phase I two-point and coaxial vapor recovery equipment and pressure/vacuum valves for storage tanks.

See Executive Order G-70 series for ARB certified Phase II vapor recovery equipment.

Must have a minimum of 6 inches of concrete insulation between the inner holding tank and the exterior containment tank.

State of California  
AIR RESOURCES BOARD

Executive Order G-70-130

Certification of Sannipoli Corporation  
Petro Vault Aboveground Tank  
Filling/Dispensing Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Stage I vapor recovery systems") and for the control of gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, Sannipoli Corporation has applied for certification of the Petro Vault aboveground gasoline tank for balance Phase I and Phase II operation;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Sections I through VII; and

WHEREAS, I find that the Sannipoli Corporation Petro Vault aboveground gasoline tank system, when used with ARB Certified Phase I and Phase II vapor recovery components, conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that this certification applies to the Sannipoli Corporation Petro Vault aboveground gasoline tanks of 3,000 gallons or less capacity, including dual tank systems up to 6,000 gallons total capacity. The system certified hereby is shown in Exhibit 1 attached Air Resources Board certified Phase I components from Exhibits 1 thru 3 of Executive Order G-70-97-A and certified Phase II components from Executive Order G-70 series are to be used.

IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with an OPW 633 BA coupling/adaptor along with an OPW 633 BD reducing coupler (or an equivalent arrangement that allows for no leakage of gasoline) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill adaptor during transfer of gasoline from the delivery truck to the storage tank. An OPW 633 A or 633 F adaptor coupled with 633 B or 633 D adaptors or equivalent may be used for interchangeability of the nozzle stem and 633 BD reducing coupler.

IT IS FURTHER ORDERED that the general exterior of the storage tanks be painted white.

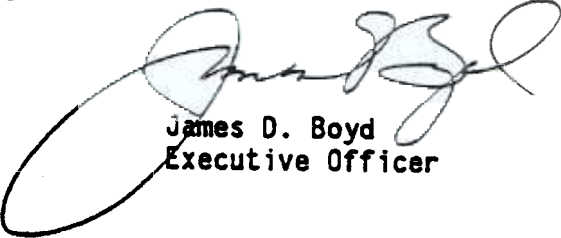
IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district and local fire officials with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of articles 144, 145, and 146 thereof.

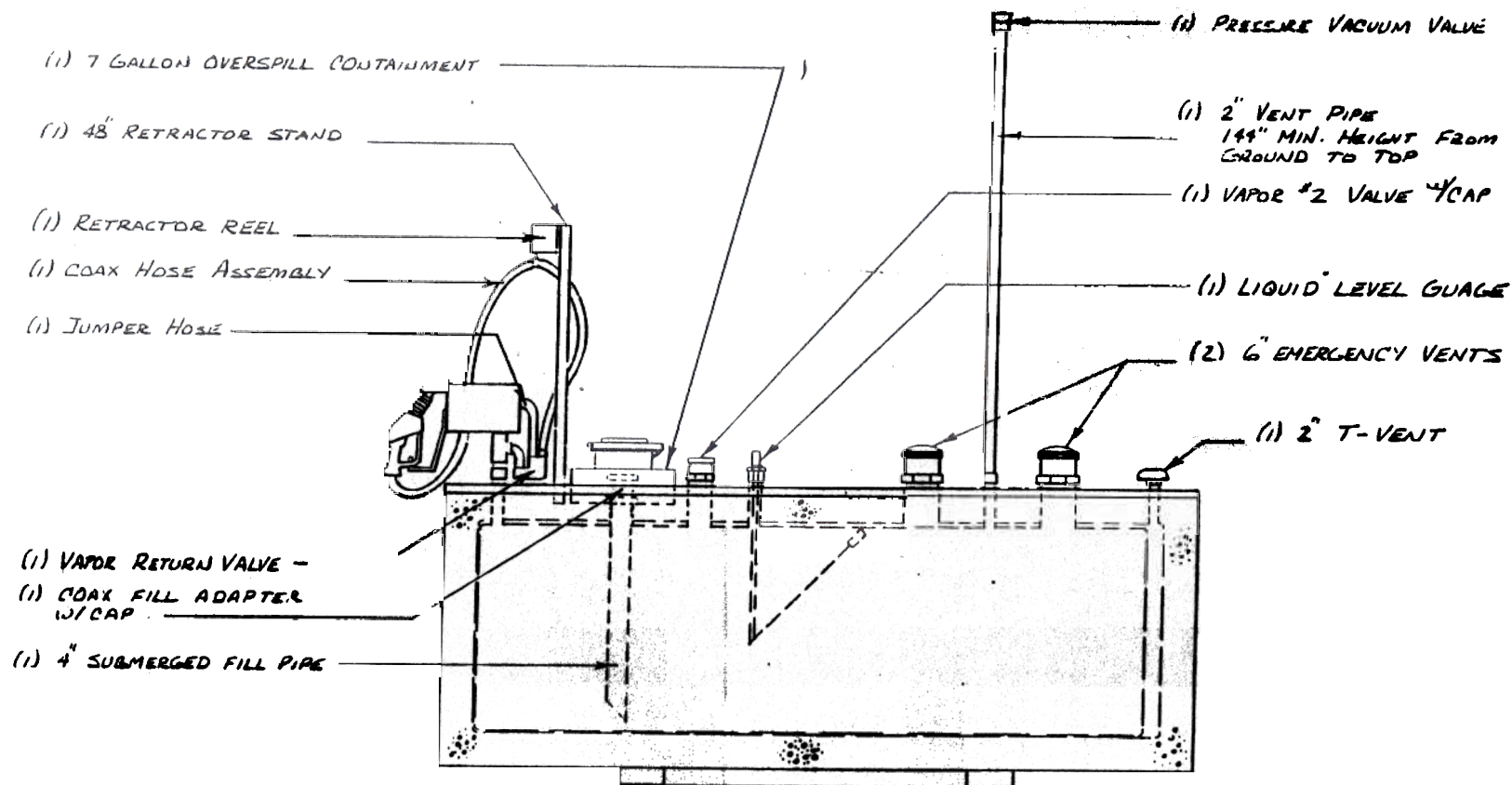
IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

Executed this 4th day of September 1990, at Sacramento, California.

  
James D. Boyd  
Executive Officer

**Exhibit I**  
**Executive Order G-70-130**



**Notes:**

See Executive Order G-70-97-A (Exhibits 1, 2 & 3) for listing of ARB certified Phase I two-point and coaxial vapor recovery equipment and pressure/vacuum valves for storage tanks.

See Executive Order G-70 series for ARB certified Phase II vapor recovery equipment.

State of California  
AIR RESOURCES BOARD

Executive Order G-70-131

Certification of Hallmark Industries  
Tank Vault Aboveground Tank  
Filling/Dispensing Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Stage I vapor recovery systems") and for the control of gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, Hallmark Industries has applied for certification of the Tank Vault aboveground gasoline tank for balance Phase I and Phase II operation;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Sections I through VII; and

WHEREAS, I find that the Hallmark Industries Tank Vault aboveground gasoline tank system, when used with ARB Certified Phase I and Phase II vapor recovery components, conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that this certification applies to the Hallmark Industries Tank Vault aboveground gasoline tanks of 2,000 gallons or less capacity, including dual tank systems up to 4,000 gallons total capacity. The system certified hereby is shown in Exhibit 1 attached. Air Resources Board certified Phase I components from Exhibits 1 thru 3 of Executive Order G-70-97-A and certified Phase II components from Executive Order G-70 series are to be used.

IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with an OPW 633 BA coupling/adaptor along with an OPW 633 BD reducing coupler (or an equivalent arrangement that allows for no leakage of gasoline) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill adaptor during transfer of gasoline from the delivery truck to the storage tank. An OPW 633 A or 633 F adaptor coupled with 633 B or 633 D adaptors or equivalent may be used for interchangeability of the nozzle stem and 633 BD reducing coupler.

IT IS FURTHER ORDERED that the general exterior of the storage tanks be painted white.

IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district and local fire officials with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of articles 144, 145, and 146 thereof.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

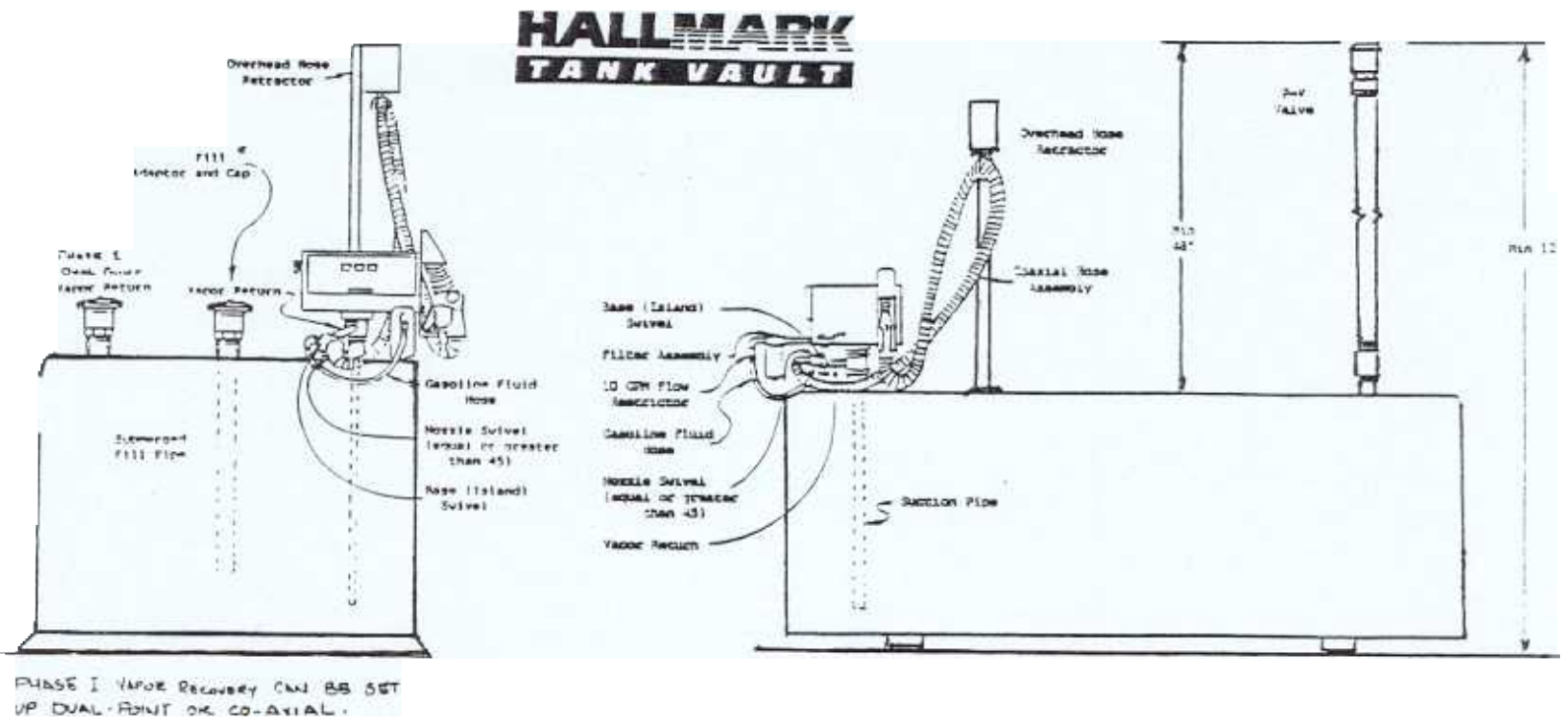
Executed this 4th day of September 1990, at Sacramento, California.

  
James D. Boyd  
Executive Officer



## Exhibit 1

Executive Order G-70-131



### Notes:

See Executive Order G-70-97-A (Exhibits 1,2 & 3) for listing of ARB certified Phase I two-point and coaxial vapor recovery equipment and pressure/vacuum valves for storage tanks.

See Executive Order G-70 series for ARB certified Phase II vapor recovery equipment.

Must have a minimum of 6 inches of concrete insulation between the inner holding tank and the exterior containment tank.



State of California  
AIR RESOURCES BOARD

Executive Order G-70-133

Certification of LRS., Inc.  
Fuelmaster Aboveground Storage Tank  
Filling/Dispensing Vapor Recovery System

WHEREAS, the Air Resources Board (the "Board") has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, certification procedures for systems designed for the control of gasoline vapor emissions displaced during the filling of storage tanks at service stations ("Phase I vapor recovery systems") and for the control of gasoline vapor emissions from motor vehicle fueling operations ("Phase II vapor recovery systems") in its "Certification Procedures for Gasoline Vapor Recovery Systems at Service Stations" as last amended December 4, 1981 (the "Certification Procedures"), incorporated by reference in Section 94001 of Title 17, California Administrative Code;

WHEREAS, the Board has established, pursuant to Sections 39600, 39601, and 41954 of the Health and Safety Code, test procedures for determining compliance of Phase I and Phase II vapor recovery systems with emission standards in its "Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code;

WHEREAS, LRS, Inc., has applied for certification of the Fuelmaster aboveground storage tank for balance Phase I and Phase II operation;

WHEREAS, Section VIII-A of the Certification Procedures provides that the Executive Officer shall issue an order of certification if he or she determines that a vapor recovery system conforms to all of the requirements set forth in Sections I through VII; and

WHEREAS, I find that the LRS, Inc., Fuelmaster aboveground storage tank system, when used with ARB Certified Phase I and Phase II vapor recovery components, conforms with all the requirements set forth in Sections I through VII of the Certification Procedures;

NOW, THEREFORE, IT IS HEREBY ORDERED that this certification applies to the LRS, Inc., Fuelmaster aboveground storage tanks of 6,000 gallons or less capacity. The system certified hereby is shown in Exhibit 1 attached. Air Resources Board certified Phase I components from Exhibits 1 thru 3 of Executive Order G-70-97-A and certified Phase II components from Executive Order G-70 series are to be used.

IT IS FURTHER ORDERED that any emergency vent installed on the tanks be leak free at the operating pressure of the tank when tested in accordance with ARB Method 2-6, "Test Procedures for Gasoline Vapor Leak Detection Using Combustible Gas Detector" as last amended September 1, 1982 (the "Test Procedures"), incorporated by reference in Section 94000 of Title 17, California Administrative Code.

IT IS FURTHER ORDERED that the threaded stem normally used with the Bobtail truck bulk delivery nozzle be replaced with an OPW 633 BA coupling/adaptor along with an OPW 633 BD reducing coupler (or an equivalent arrangement that allows for no leakage of gasoline) to connect the Bobtail truck bulk delivery nozzle with the storage tank fill adaptor during transfer of gasoline from the delivery truck to the storage tank. An OPW 633 A or 633 F adaptor coupled with 633 B or 633 D adaptors or equivalent may be used for interchangeability of the nozzle stem and 633 BD reducing coupler.

IT IS FURTHER ORDERED that the general exterior of the storage tanks be painted white or off-white.

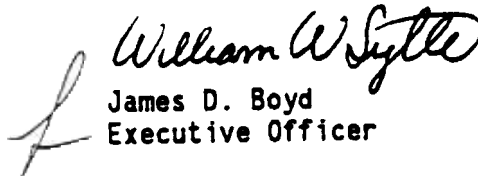
IT IS FURTHER ORDERED that compliance with the rules and regulations of the local air pollution control district and local fire officials with jurisdiction where the installed system is located, shall be made a condition of this certification.

IT IS FURTHER ORDERED that the use of a PV valve shall require the prior approval of the local fire chief, and that the tanks and piping shall comply with the appropriate General Industry Safety Orders and in particular the provisions of articles 144, 145, and 146 thereof.

IT IS FURTHER ORDERED that compliance with all applicable certification requirements and rules and regulations of the Division of Measurement Standards, the Office of the State Fire Marshal, and the Division of Occupational Safety and Health of the Department of Industrial Relations shall be made a condition of this certification.

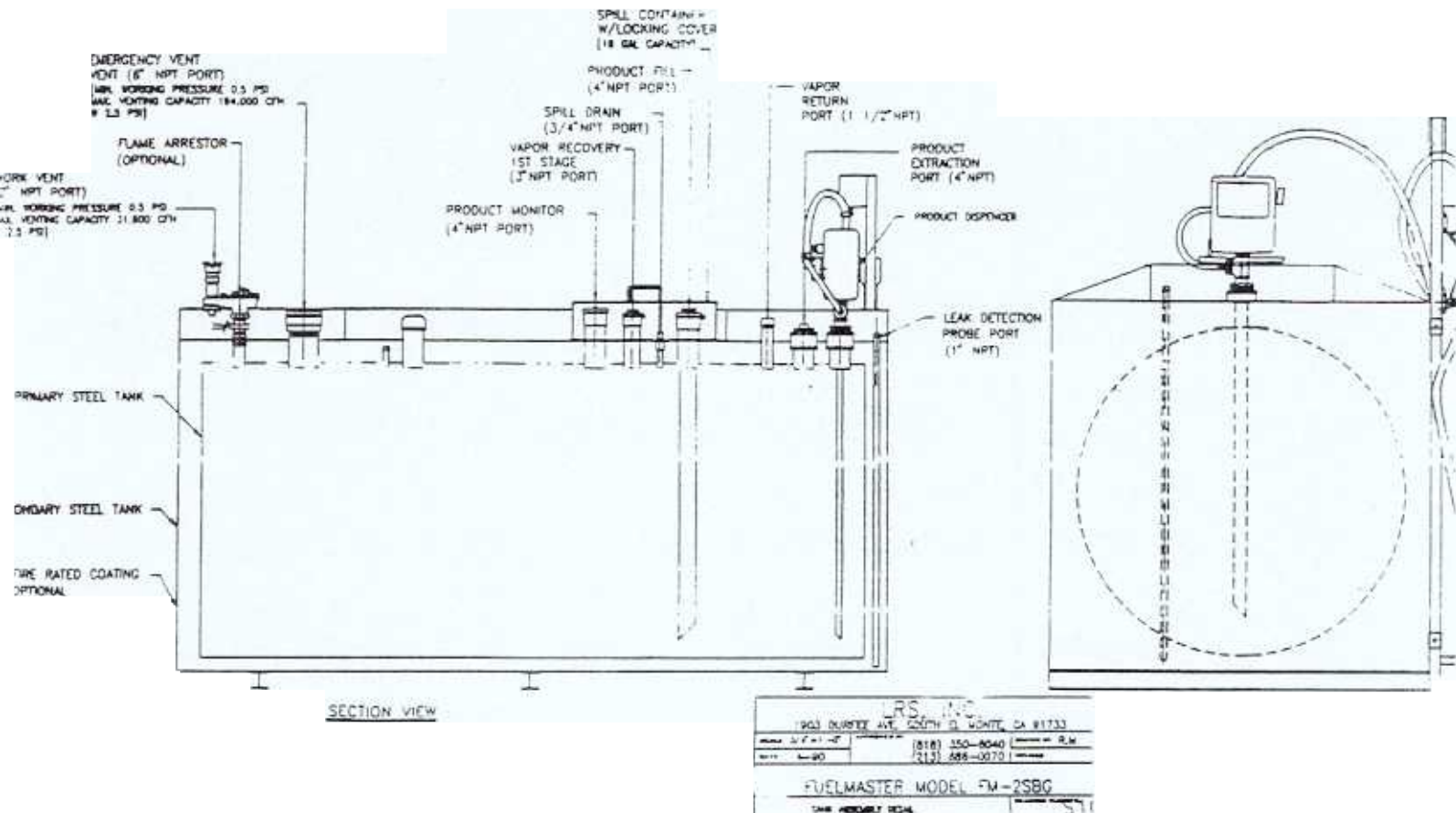
IT IS FURTHER ORDERED that any alteration of the equipment, parts, design, or operation of the configurations certified hereby, is prohibited, and deemed inconsistent with this certification, unless such alteration has been approved by the undersigned or the Executive Officer's designee.

Executed this 16<sup>th</sup> day of OCTOBER 1990, at Sacramento, California.

  
James D. Boyd  
Executive Officer

## Exhibit 1

### Executive Order G-70-133



#### Notes:

See Executive Order G-70-97-A (Exhibits 1,2 & 3) for listing of ARB certified Phase I two-point and coaxial vapor recovery equipment and pressure/vacuum valves for storage tanks.

See Executive Order G-70 series for ARB certified Phase II vapor recovery equipment.

Must have a minimum of 5 and 1/2 inches of insulation between the primary holding tank and the secondary containment tank. Insulating material is proprietary in nature, but consists of two different materials. 1/2 inch of one material is applied directly to the primary holding tank and a minimum of 5 inches of the second material is placed in void remaining between the primary and secondary tanks.